

WOW
17 Mar 64

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MEMORANDUM FOR THE RECORD

SUBJECT: Trip Report to [REDACTED]
[REDACTED]

1. On the 4th of March 1964 the undersigned visited the [REDACTED]
[REDACTED] to review the progress of
the Linear Phasolver and discuss the proposal which they are preparing
as a follow-on to the Phasolver work.

2. No major problems have been encountered in the Phasolver program,
however, they have encountered difficulty in obtaining glass blanks of
appropriate flatness. They are now investigating several alternate
methods of obtaining the required flatness by less costly techniques.
The proposed completion date has been delayed due primarily to man-
power availability problems and the slow response on the part of the
subcontractors. The next Monthly Progress Report is to reflect a
realistic completion and demonstration date.

3. As a potential follow-on to the successful completion of the
present contract, [REDACTED] has been working with [REDACTED] on
a proposal for a comparator with a measuring stage of $9\frac{1}{2}$ " by 40".
The design they are proposing is an air bearing engine with a granite
base similar to the DSMP. The readout resolution would be $\frac{1}{4}$ micron or
better. Still unresolved is whether to use projection viewing or
direct optical viewing. [REDACTED] is
acting as their consultant on the viewing problem. At present they
plan to submit a preliminary proposal to determine our interest and
allow us to review their design concept. They do not necessarily
propose to build the measuring engine but would probably prefer to
work with someone with experience in this field.

[REDACTED]
Development Branch, P&DS

DDR-Dupe